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REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only

International Application No.

PCT/GB 92 / 02364

International Filing Date

16 DEC 1992

16.12.92

United Kingdom Patent Office
PCT International Application

Name or receiving Office and "PCT International Application"

Applicant's or agent's file reference
(if desired) (12 characters maximum)

MBUS 1129

Box No. I TITLE OF INVENTION

IMPROVEMENTS IN CHEMICAL COMPOUNDS *JK*

Box No. II APPLICANT

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

JOHNSON MATTHEY PUBLIC LIMITED COMPANY
78 HATTON GARDEN
LONDON
EC1N 8JP

UK GB

This person is also inventor.

Telephone No.

Facsimile No.

Teleprinter No.

State (i.e. country) of nationality:

State (i.e. country) of residence:

This person is applicant for the purposes of: all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box

Box No. III FURTHER APPLICANTS AND/OR (FURTHER) INVENTORS

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

BRIDGER Gary James
302 EAST MARSHALL STREET
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PENNSYLVANIA 19380

USA

This person is:

applicant only

applicant and inventor

inventor only (If this check-box is marked, do not fill in below.)

State (i.e. country) of nationality:

State (i.e. country) of residence:

US

This person is applicant for the purposes of: all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

PADMANABHAN Sreenivasan
103 ROBIN ROAD
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USA

This person is:

applicant only

applicant and inventor

inventor only (If this check-box is marked, do not fill in below.)

State (i.e. country) of nationality:

State (i.e. country) of residence:

US

This person is applicant for the purposes of: all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box

Further applicants and/or (further) inventors are indicated on a continuation sheet.

the title has been classified
RE/PK

Continuation of Box No. III FURTHER APPLICANTS AND/OR (FURTHER) INVENTORS

If none of the following sub-boxes is used, this sheet is not to be included in the request.

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

SKERLJ Renato Tony
300 E EVANS STREET
NO P 156
WEST CHESTER
PA 19380
USA

This person is:

applicant only
 applicant and inventor
 inventor only (If this check-box is marked, do not fill in below.)

State (i.e. country) of nationality:
NEW ZEALAND

State (i.e. country) of residence:

US

This person is applicant for the purposes of: all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

THORNTON David Michael
1 WATERSFIELD CLOSE
LOWER EARLEY
READING
BERKSHIRE RG6 4DF
UK GB

This person is:

applicant only
 applicant and inventor
 inventor only (If this check-box is marked, do not fill in below.)

State (i.e. country) of nationality:
UK GB

State (i.e. country) of residence:

UK GB

This person is applicant for the purposes of: all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

This person is:

applicant only
 applicant and inventor
 inventor only (If this check-box is marked, do not fill in below.)

State (i.e. country) of nationality:

State (i.e. country) of residence:

This person is applicant for the purposes of: all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

This person is:

applicant only
 applicant and inventor
 inventor only (If this check-box is marked, do not fill in below.)

State (i.e. country) of nationality:

State (i.e. country) of residence:

This person is applicant for the purposes of: all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box

Further applicants and/or (further) inventors are indicated on another continuation sheet.

I No. IV AGENT OR COMM~~E~~REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE

The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:

 agent

common representative

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

WISHART Ian Carmichael
JOHNSON MATTHEY PLC
TECHNOLOGY CENTRE
BLOUNTS COURT
SONNING COMMON
READING RG4 9NH BERKSHIRE **UK** **GB**

Telephone No.

0734 722811

Facsimile No.

0734 723322

Teleprinter No.

Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Box No.V DESIGNATION OF STATES

The following designations are hereby made under Rule 4.9(a) (mark the applicable check-boxes; at least one must be marked):

Regional Patent

EP European Patent: AT Austria, BE Belgium, CH and LI Switzerland and Liechtenstein, DE Germany, DK Denmark, ES Spain, FR France, GB United Kingdom, GR Greece, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, SE Sweden, and any other State which is a Contracting State of the European Patent Convention and of the PCT

OA OAPI Patent: Benin, Burkina Faso, Cameroon, Central African Republic, Chad, Congo, Côte d'Ivoire, Gabon, Guinea, Mali, Mauritania, Senegal, Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line)

National Patent (if other kind of protection or treatment desired, specify on dotted line):

| | |
|---|---|
| <input type="checkbox"/> AT Austria | <input type="checkbox"/> MG Madagascar |
| <input checked="" type="checkbox"/> AU Australia | <input type="checkbox"/> MN Mongolia |
| <input type="checkbox"/> BB Barbados | <input type="checkbox"/> MW Malawi |
| <input type="checkbox"/> BG Bulgaria | <input type="checkbox"/> NL Netherlands |
| <input type="checkbox"/> BR Brazil | <input checked="" type="checkbox"/> NO Norway |
| <input checked="" type="checkbox"/> CA Canada | <input checked="" type="checkbox"/> PL Poland |
| <input type="checkbox"/> CH and LI Switzerland and Liechtenstein | <input type="checkbox"/> RO Romania |
| <input checked="" type="checkbox"/> CS Czechoslovakia | <input checked="" type="checkbox"/> RU Russian Federation |
| <input type="checkbox"/> DE Germany | <input type="checkbox"/> SD Sudan |
| <input type="checkbox"/> DK Denmark | <input type="checkbox"/> SE Sweden |
| <input type="checkbox"/> ES Spain | <input checked="" type="checkbox"/> US United States of America |
| <input checked="" type="checkbox"/> FI Finland | <input checked="" type="checkbox"/> NEW ZEALAND |
| <input type="checkbox"/> GB United Kingdom | |
| <input checked="" type="checkbox"/> HU Hungary | |
| <input checked="" type="checkbox"/> JP Japan | |
| <input type="checkbox"/> KP Democratic People's Republic of Korea | |
| <input type="checkbox"/> KR Republic of Korea | |
| <input type="checkbox"/> LK Sri Lanka | |
| <input type="checkbox"/> LU Luxembourg | |

Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet:

NEW ZEALAND

.....

.....

.....

In addition to the designations made above, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except the designation(s) of _____

The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation of a designation consists of the filing of a notice specifying that designation and the payment of the designation and confirmation fees. Confirmation must reach the receiving Office within the 15-month time limit.)

Dated
Ro/GBAdded
Ro/GB

26 January 1993

Box No. VI PRIORITY CLAIM

Further priority claims are indicated in the Supplemental Box

The priority of the following earlier application(s) is hereby claimed:

| Country (in which, or for which, the application was filed) | Filing Date (day/month/year) | Application No. | Office of filing (only for regional or international application) |
|---|---------------------------------|-----------------|---|
| (1) GB | 16 DECEMBER 1991 16 12 1991 | [GB] 91/26677.5 | |
| (2) | | | |
| (3) | | | |

Mark the following check-box if the certified copy of the earlier application is to be issued by the Office which for the purposes of the present international application is the receiving Office (a fee may be required):

 The receiving Office is hereby requested to transmit to the International Bureau a certified copy of the earlier application(s) identified above at item(s): _____

Box No. VII EARLIER SEARCH

Fill in where a search (international, international-type or other) by the International Searching Authority has already been carried out or requested and the Authority is now requested to base the international search, to the extent possible, on the results of that earlier search. Identify such search or request either by reference to the relevant application (or the translation thereof) or by reference to the search request:

Country (or regional Office):

Date (day/month/year):

Number: _____

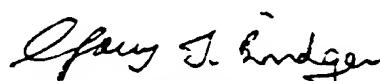
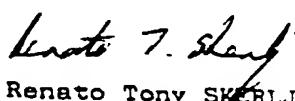
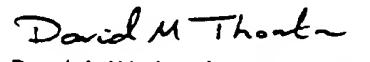
Box No. VIII CHECK LIST

| | |
|---|--|
| This international application contains the following number of sheets: | This international application is accompanied by the item(s) marked below: |
| 1. request : 4 sheets | 1. <input type="checkbox"/> separate signed power of attorney |
| 2. description : 52 sheets | 2. <input type="checkbox"/> copy of general power of attorney |
| 3. claims : 10 sheets | 3. <input type="checkbox"/> statement explaining lack of signature |
| 4. abstract : 1 sheets | 4. <input type="checkbox"/> priority document(s) (specify): |
| 5. drawings : - sheets | 5. <input checked="" type="checkbox"/> fee calculation sheet |
| Total : 67 sheets | 6. <input type="checkbox"/> separate indications concerning deposited microorganisms |
| | 7. <input type="checkbox"/> nucleotide and/or amino acid sequence listing |
| | 8. <input type="checkbox"/> other (specify): _____ |

Figure No. _____ of the drawings (if any) should accompany the abstract when it is published.

Box No. IX SIGNATURE OF APPLICANT OR AGENT

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).


JOHNSON MATTHEY PLC
by I C WISHART
duly authorised
Gary James BRIDGER
Renato Tony SKERLJ
Sreenivasan PADMANABHAN
David Michael THORNTON

| | |
|---|--|
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| 1. Date of actual receipt of the purported international application: | 16 December 1992 / 16 12 92 |
| 3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application: | |
| 4. Date of timely receipt of the required corrections under PCT Article 1(2): | |
| 5. International Searching Authority specified by the applicant: | ISA / |
| 6. <input type="checkbox"/> Transmittal of search copy delayed until search fee is paid | 2. Drawings: <input type="checkbox"/> received: <input type="checkbox"/> not received: |

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